Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Coll Camp Creek
Water Body Identification #: 3303
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B - 3 of 3 pages for each site Number of Sites:
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA
Signed: ACACULANDO Date: 07/19/2006 Printed Name: Carolina Sallardo Telephone #: (410) 356-8993 Organization: Itra Tuch, INC Position: Scientist

<u>Pre-Field Preparatory Data Sheet</u> for Recreational Use Stream Surveys

Water Body Name: Cole Camp Crafford USGS 7.5' quad)	eek
8-digit HUC: 10290109 Missouri Wa	ter Dody Hantiff
County: Benton	ter Body Identification (WBID) #: 3303
Upstream Legal Description:	
Downstream Legal Description:	
Discharge E 11: 27	
Discharger Facility Name(s): COL CAMP WI Discharger Permit Number(s): MODUSC626	<u> </u>
Weather Condition C. D. T.	
Weather Conditions for Past 7 days: Hot, humid	, Sunny
	' 1

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

Date: 07/18/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: COLE CAMP Creek

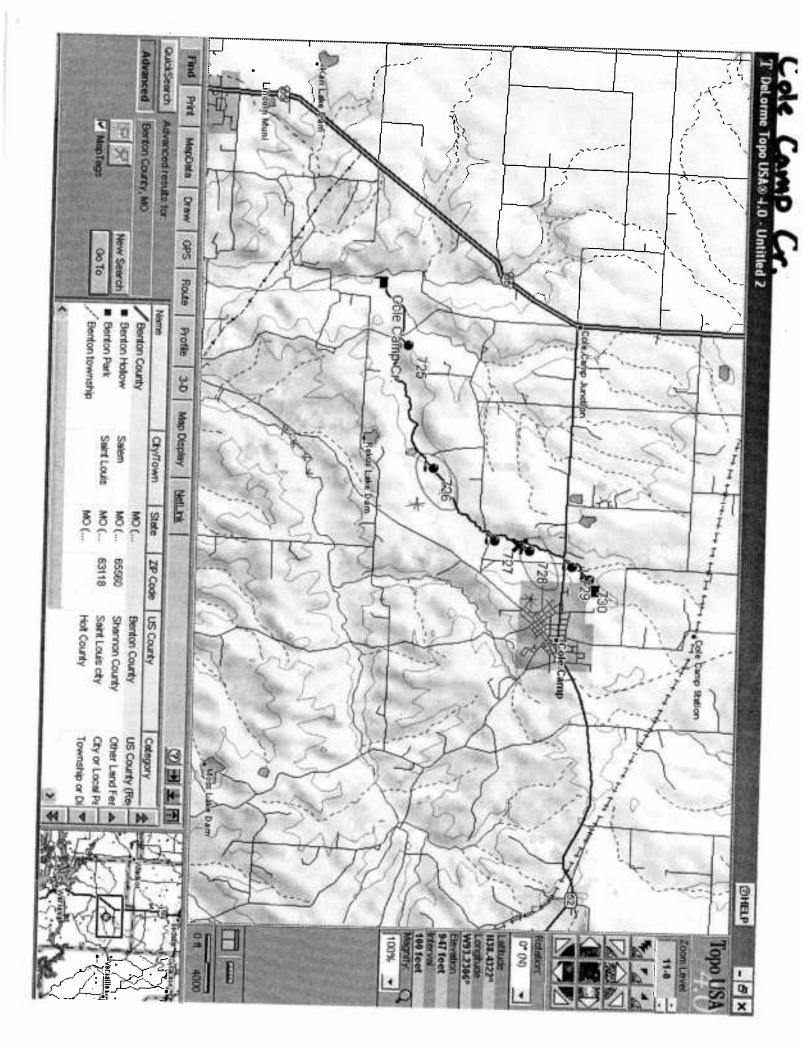
WBID #: 3303

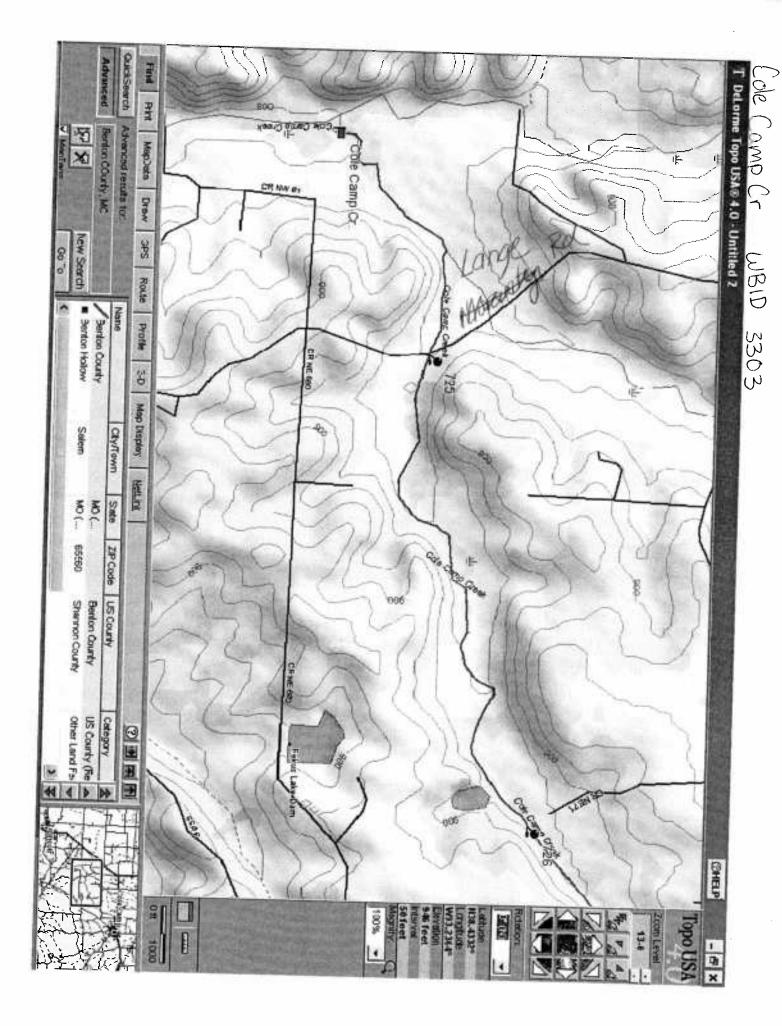
Upstream Coordinates: (WGS 84, ddd.dddd) 38.46402, 93.21895 (SIE 730)

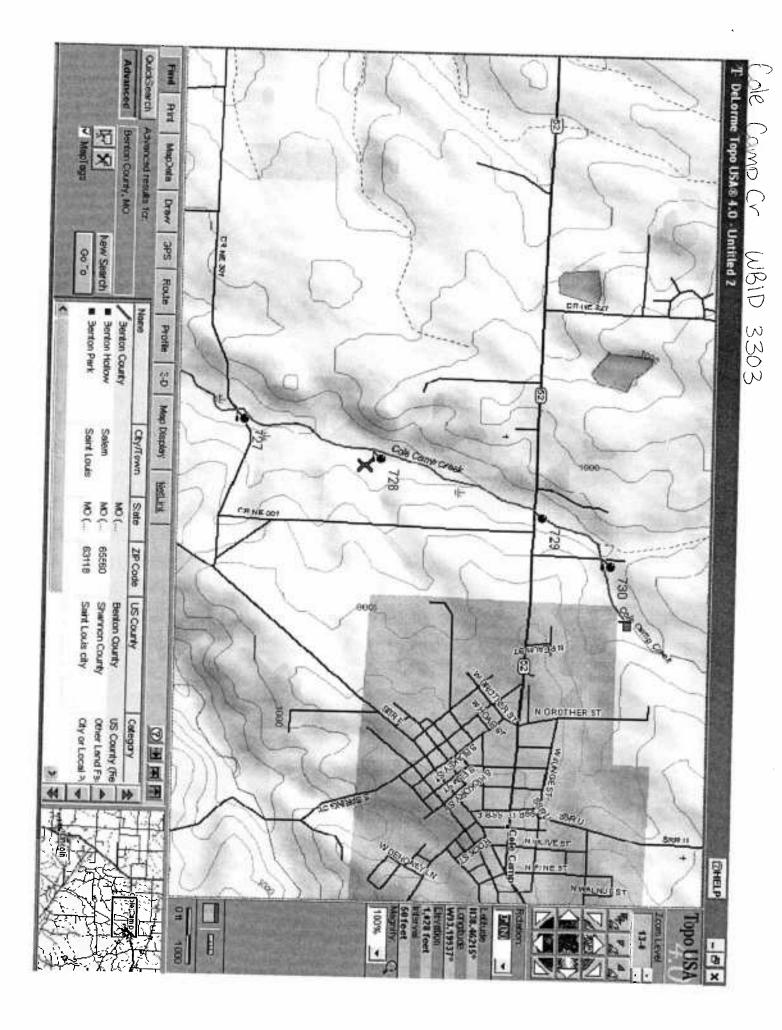
Downstream Coordinates: (WGS 84, ddd.ddddd) 38.43088, 93.27227 (SIE 725)

Current Weather Conditions: Hot, Numid, Sunny

Number of Sites Evaluated: (A X (P PUS 1 rely15) + Name(s) of Surveyor(s): Caroling Gallardo. Ally Do Waro







WBID # 3303 Site # 725

Date: 07/18/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

Latitude (ddd.dddd):	20 112000		eet B must be complet	ed for each site)	
Longitude (ddd ddda):	50.45088			Arrival Time:	
Longitude (ddd.dddd):	93.27227	_			'n
Photo Ids: Upstream:		Dow	/nstream:	Other: 1154	
[[[08		1159	1124	,
Narrative Description	of Location ·	anari!		nearby roads, landmarks, etc	
at Centerliv	ne Rd bric	19l	Crossing.	nearby roads, landmarks, etc)
		<i></i>			
urrounding Conditio	ns*: (Mark all that	prom	note or impede recreational	uses. Attach photos of evidence	ence or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	ПС
☐ Boating accesses	☐ State parks		National forests .	☐ Nature trails	Campgrounds
☐ No trespass sign	☐ Fence	i	Steep slopes	Other: Divion	Stairs/walkway
uman Uses Observed	*:				7-18-06
☐ Swimming	☐ Skin diving		☐ SCUBA diving	[] T. 1 ·	
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping			Wading	Rafting
Describe: (include numbe	er of individuals recr	eatin	g, frequency of use, photo-	None of the above documentation of evidence	Other: 7-17-06
dence of Human Use					or recreational uses, etc.
W 2 .	Foot paths/prints			T	
☐ Rope swings	☐ Camping Sites		☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
Other: TRAS			☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
rces of Pollution: (e.g.	, trash dumping, tire	s, dra	inages discharges		
	1				

Date: 07, 18, 2006

Data Sheet B - Site Characterization - 2 of 3

Riffle Run		View Physical Dir Distance from access point (m)	Width (m)	Length (r	m)	Ave D.	
Section Sect	□ Riffle	point (III)		Dength (i	-	Avg. Depth (m)	Max Depth (n
Flow Present? Yes No Velocity (ft/sec): Downstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Depth (n	□ Run						
Second Present? Yes No Velocity (ft/sec):	≯ Pool	35	17	70		0 1 5	
Downstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Depth (n)	Flow	Present?			c):	0.15	0.3
Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Depth (n) Riffle Run Run Run Present?	Downstrag			t clocity (10 Sec			
access point (m) Riffle	<u>Downstrea</u>	Distance from	Dimensions:				
Run Run			Width (m)	Length (m	1)	Avg. Depth (m)	Max Denth (m
XPool 20 3.4 20 0 0.2 XFlow Present? Yes No Velocity (ft/sec): Strate*: (These values should add up to 100%.) Pool 5 ON Y X 20 % Cobble 20 % Gravel 20 % Sand 10 % Silt % Mud/Clay 30 % Bedratic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) X	□ Riffle						——————————————————————————————————————
Flow Present?	□ Run						
Strate*: (These values should add up to 100%.) Pools on I actic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) **N/A DS pool **US pool floating algal was pritty abundant.* **Per Characteristics*: (Mark all that apply.) Pools on I actic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) **Print abundant*: (Note amount of vegetation or algal growth at the assessment site.) **Print abundant*: (Note amount of vegetation or algal growth at the assessment site.) **Print abundant*: (Mark all that apply.) Pools on I actic Vegetation*: (Mark all th	Pool	20	3.4	70		0 i	
extrate*: (These values should add up to 100%.) Pools only & 20 % Cobble 2D % Gravel 20 % Sand 1D % Silt % Mud/Clay 30 % Bedr static Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) **N/A DS pool ** **US pool floating algal was pritty abundant.** **Per Characteristics*: (Mark all that apply.) Pools only & 20 % Sewage Musky Chemical None Other: cottom Deposit: Sludge Solids Eine sediments None Other: curface Deposit: Sludge Solids Eine sediments None Other: curface Deposit: Other: Other: curface Deposit: Other: Ot	Flow	Present?	No No). 	0.1	0.2
20 % Cobble 20 % Gravel 20 % Sand 10 % Silt % Mud/Clay 30 % Bedr	-44 sh						
Tatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) **N/A DS pool **US pool floating algal was pretty abundant.** **Per Characteristics*: (Mark all that apply.) Pools only to the process of the pool of the po	strate*: (T	hese values should add	up to 100%.) POO	15 only.	×		
atic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) **N/ADS pool **US pool floating algal was pretty abundant. **Per Characteristics*: (Mark all that apply.) Pools only ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	20 % C	Obole 20 % G	ravel 20 %	Sand 18) % Silt	% Mud/Clay	30 % Redro
er Characteristics*: (Mark all that apply.) Odor: Sewage Musky Chemical None Other:	atic Vegeta	ation*: (Note amount	Of vegetation or alm.				
er Characteristics*: (Mark all that apply.) Pools only Odor: Sewage Musky Chemical None Other: Ottom Deposit: Sludge Solids Fine sediments None Other:	~ /\ / /\	I'm Paracal					
Color: Clear Green Gray Milky Other: Sottom Deposit: Sludge Solids Fine sediments None Other: Ourface Deposit: Gray None Other:	(US am)	I floating al	301	11			
Color: Clear Green Gray Milky Other: Sottom Deposit: Sludge Solids Fine sediments None Other: Ourface Deposit: Gray None Other:	- y rw	Trockling are	jue was pre	tty abunc	dant		
Color: Clear Green Gray Milky Other: Sottom Deposit: Sludge Solids Fine sediments None Other: Ourface Deposit: Gray None Other:	er Charact	eristics*: (Mark all t	hat apply.) P_{00}	15 mly =	A		
Color: Clear Green Gray Milky Other: Sottom Deposit: Sludge Solids Fine sediments None Other:	Odor:	□ Sewage	☐ Musky ☐	Chemical	None		
ottom Deposit:	olor:	Clear					
urface Deposit:	ottom Deposi	t:					
Scum Foam None Doub	urface Deposi	t				☐ Other:	

* Stream is dry, few standing pools available.

None

☐ Other:

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 3303 Site # 725

Date: 67 / 18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Date: 07/18/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

If so, ple	ase check ALL	is water body for r that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
. Have you obs If so, plea		no this water hade	for recreation since 1	975? □ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
How often G G G	1-5 times	ved it being used fo times per year per year time per year – ple		
Additional Con	nments:			

Telephone #:

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	(A separate Dat	a Sheet B must be complete	ed for each site)	
Latitude (ddd.dddd):	39 42152			
Longitude (ddd.dddd): 92 774AZ		Arrival Time:	
Photo Ids: Upstream	0.21707			240
*		Downstream:	Other:	
7. 1	ΙΨΟ	*1161 *P	ictures labeler	I www.
arrative Descriptio	n of Location. (D	.,	be 726 NOT	775 JULY 500
~ 150 m 115	of Chaled	escribe access point to stream, n	earby roads, landmarks, et	c.)
	of Canan	ne Rd bridge cro	ssing.	
rrounding Conditi	ons*: (Mark all that	promote or impede recreational		
		recreational	uses. Attach photos of evid	dence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Campgrounds
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Fill (☐ Stairs/walkway
man Uses Observe	N.J.		A Other: TEIMS	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Describe: (include number	☐ Trapping	☐ Fishing	5.7	
- coerroe. (mende num	per of individuals reci	☐ Fishing reating, frequency of use, photo-	documentation of evidence	of recreational uses, etc.
				4000, 010
	,			
lence of Human Us	e*:			
☐ Roads	☐ Foot paths/print			
☐ Rope swings	☐ Camping Sites	Patrolini	☐ Livestock Watering	□ RV / ATV Tracks
Other:	Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
-				
ces of Pollution: (e.s	2., trash dumping tire	os drainages 1'. t		
ces of Pollution: (e.	g., trash dumping, tire	es, drainages, discharges, etc.)		

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

	View Physical Di Distance from access point (m)	Width (m)	Length ((m)	Avg. Depth (m)	Max Depth (n
☐ Riffle					1 ()	Trax Deptii (i
□ Run						
≯ Pool	165	0.9	15		0.1	
Flow	Present?		Velocity (ft/se	ec).	0,1	0.2
T			Total (1030			
Downstrea	m View Physical I	Dimensions:				
	Distance from access point (m)	Width (m)	Length (n	m)	Avg. Depth (m)	
□ Riffle			8 (Avg. Depth (m)	Max Depth (m
□ Run						
Pool	135		15			
Flow	Present?	√ No			0.1	0.15
			Velocity (ft/sec	c):		
bstrate*: (7	These values should add	1 up to 100%) POC	k ONLY			
20% (Cobble 20 % G		Sand	% Silt	0() 7	
4* T Y					% Mud/Clay	50% Bedro
uanc Veget	ation*: (Note amount	of vegetation or alga	growth at the asse	essment site	e) Pools o	NIX
N/A					.,	<u> </u>
	teristics*: (Mark all	that apply.) Poo	LS ONLY			
ter Charact	Trialk all	F F - J - J				
ter Charact Odor:	☐ Sewage		Chemical	M Name		
ter Charact Odor: Color:		□ Musky □	Chemical	None	☐ Other:	
Odor:	□ Sewage Clear	☐ Musky ☐ ☐ Green ☐	Gray	☐ Milky	☐ Other:	
Odor: Color:	☐ Sewage Clear it: ☐ Sludge	☐ Musky ☐ ☐ Green ☐ ☐ Solids	Gray Fine sediments			

* Stream is dry, standing pools available.

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WBID # 3303 Site # 726

Date: 07/18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Date: <u>07 / 18 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	ersonally used the	nis water body for r that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
3. Have you ob:	served others usi	1 time per year – p	for recreation since 1	9752 🗆 Vec 🗆 🗆 Na
If so, plea	ise check ALL t	hat apply.	1	9/5? ∐ Yes □ No
If so, plea ☐ Swimming	use check ALL to	hat apply: □ SCUBA diving		
☐ Swimming ☐ Wind surfing	T	de appry.	☐ Tubing ☐ Wading	☐ Water skiing
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Swimming ☐ Wind surfing ☐ Hunting	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than : ☐ 1 - 5 times	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than : ☐ 1 - 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than : ☐ 1 - 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting

Telephone #:

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

T it I day		Sheet B must be complet	ed for each site)	
Latitude (ddd.dddd):	38.44701		Arrival Time:	
Longitude (ddd.dddd):	93.22755		ļ	7.
Photo Ids: Upstream:		Downstream:	09:	
114	·	1149	Other: 1150 1151	1152 1153
Narrative Description	of Location: (De	scribe access point to stream, n		
at CR 301	bridge cu	OSSING .	iearby roads, landmarks, etc	2.)
urrounding Condition	ns*: (Mark all that r	promote or impede recreational		
	•		uses. Attach photos of evid	lence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	
☐ No trespass sign	X Fence 1153	☐ Steep slopes	Other: Fillas	☐ Stairs/walkway
ıman Uses Observed	*•		1121(1)	-
☐ Swimming	☐ Skin diving	[] CCUPA !!	T	-
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Transing	☐ Boating	Wading	☐ Rafting
Describe: (include numbe	er of individuals recre	☐ Fishing rating, frequency of use, photo-	None of the above	☐ Other:
dence of Human Use		, piloto	documentation of evidence	of recreational uses, etc.)
Roads				
	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
Other: Trash	□ Camping Sites (1150, 1151	Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
	,	, drainages, discharges, etc.)	Ch(1152)	
Sixel In	1 5,	run off ditch		

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

	View Physical Di Distance from access point (m)	Width (m)	Length (m	1)	Avg. Depth (m)	May Donath ()
☐ Riffle					8 open (m)	Max Depth (m)
□ Run						
Pool	35	4.4	30		0 :-	
Flow	Present? Yes		Velocity (ft/sec	1: 1051	D.15 Mlasurab	0.2
D			(10 see	y. Not	measurab	ele
Downstream	1 View Physical I Distance from	Dimensions:				
	access point (m)	Width (m)	Length (m)	A	vg. Depth (m)	Max Depth (m)
□ Riffle					3 1 (1.1)	wax Depth (m)
□ Run						
Pool	25	7.4	75			
/ \		[• -]	1 1 7 7		11 4	
			Velocity (ft/sec)	. ,	0.3	0.4
Flow I	Present? Yes	□ No	Velocity (ft/sec)	<u> </u>	0.5 0.5 m/sec	0.4
Flow I	Present? Yes	□ No		: t	0.3 0.05 m/sec	0.4
Flow I	Present? Yes	□ No	Velocity (ft/sec)	:	0.05 m/geo	
Flow Instrate*: (The 15 % Co.	ese values should add	□ No 1 up to 100%.) ravel 10 %	Velocity (ft/sec)	% Silt	0.05 M/500 % Mud/Clay	
Strate*: (Th	ese values should add bble 25 % G	I up to 100%.)	Velocity (ft/sec)	% Silt	0.05 M/500 % Mud/Clay	40 % Bedrocl
Strate*: (Th	ese values should add bble 25 % G	I up to 100%.)	Velocity (ft/sec)	% Silt	0.05 M/500 % Mud/Clay	40 % Bedrocl
Strate*: (Th	ese values should add bble 25 % G	I up to 100%.)	Velocity (ft/sec)	% Silt	0.05 M/500 % Mud/Clay	40 % Bedrocl
strate*: (The 15 % Contact Vegetar Flooding of 15 % Contact Vegeta	ese values should add bble 35 % Gtion*: (Note amount of And AHO)	I up to 100%.) Travel 10 % Tof vegetation or algal Ched algal Oating man	Velocity (ft/sec)	% Silt	0.05 M/500 % Mud/Clay	40 % Bedrocl
strate*: (The 15 % Contact Vegetar Flooding of 15 % Contact Vegeta	ese values should add bble 35 % G tion*: (Note amount of and after the first of th	I up to 100%.) fravel 10 % for vegetation or algal Ched algal Oating man that apply.)	Sand growth at the assess AVL PYLE WOPHYES	% Silt sment site.) ty at www.	0.05 M/500 % Mud/Clay	40 % Bedrock
strate*: (Th 15 % Co atic Vegetat Flooting Soft er Characte Odor:	ese values should addebble 35 % G tion*: (Note amount AND AHD VIGGE: FI ristics*: (Mark all 1)	I up to 100%.) I up to 100%.) I of vegetation or algal Ched algal Oating man that apply.)	Sand growth at the assess AVL PYLE WOPHYES	% Silt	0.05 M/500 % Mud/Clay	40 % Bedrock
strate*: (Th 15 % Co atic Vegetat Flooting Color: color:	ese values should add bble 35 % G tion*: (Note amount of AVO AHO) ristics*: (Mark all to Sewage	I up to 100%.) ravel 10 % of vegetation or algal Ched a gal Oating man that apply.) Musky Green	Sand growth at the assess AVL PYL+ COPHYHS Chemical	% Silt sment site.) ty at www.	% Mud/Clay % Mud/Clay pundant ju found in	40 % Bedrock
strate*: (Th 15 % Co atic Vegetat Flooting Soft er Characte Odor:	ese values should add bble 25 % G tion*: (Note amount of And AHQ ristics*: (Mark all 1 Sewage Clear Sludge	I up to 100%.) ravel 10 % of vegetation or algal Ched a gal Oating man that apply.) Musky Green	Sand growth at the assess AVL PVL+ CVOPHYHES Chemical Gray	% Silt sment site.) Hy at WWW 1	% Mud/Clay % Mud/Clay Pundant ju found in i	40 % Bedrocl

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QC: AD

Date: <u>07 / 18 / 2006</u>

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	ersonally used the	is water body for r that apply:	ecreation since 1975?	☐ Yes ☐ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
3. Have you obs	served others usi	ng this water body	lease describe:	
II so, plea	ise check All ti	nat annly:		- 140
☐ Swimming	use check ALL to	nat apply: SCUBA diving	T	
	T	ide appry.	☐ Tubing	☐ Water skiing
☐ Swimming	☐ Skin diving	☐ SCUBA diving	T	
☐ Swimming ☐ Wind surfing ☐ Hunting	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than : ☐ 1 – 5 times	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	Skin diving Kayaking Trapping have you obser More than 3 1 - 5 times Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	Skin diving Kayaking Trapping have you obser More than 3 1 - 5 times Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	Skin diving Kayaking Trapping have you obser More than 3 1 - 5 times Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	2011018		Arrival Time:	
Longitude (ddd.dddd	119.12475		095	
Photo Ids: Upstream		Downstream:	Other:	
	154	1155	outer,	
arrative Descriptio	n of Location: (De	scribe access point to stream,	nearby roads land	
190 m US	of CR 301	scribe access point to stream, a bridge crossing	rouds, fandmarks, et	c.)
) " " ;		
11 6				
rrounding Conditi	ons*: (Mark all that p	romote or impede recreational	l uses. Attach photos of avi	donos
☐ City/county parks			———— photos of evic	ience or unusual
	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Filds	J Stalls/Walkway
man Uses Observe	d*•		1/(1)	
☐ Swimming				
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Describe: (include numl	☐ Trapping	☐ Fishing	None of the above	Other
	of of manyiduals recre	☐ Fishing ating, frequency of use, photo-	-documentation of evidence	of recreational uses, etc.
				2005, 010
ence of Human Us	e*•			
Roads	☐ Foot paths/prints			
Rope swings		☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
Other:	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
· other,				I went
ces of Pollution · (a)	trock days			
(e.	s., uash dumping, tires,	drainages, discharges, etc.)		

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

Distance from access point (m)

Width (m)

Length (m)

Avg. Depth (m)

Max Depth (m)

Riffle

Run

Pool 165 38 25 0.43 0.6

Flow Present? Yes \square No Velocity (ft/sec): not muasurable

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	May D41 ()
☐ Riffle				Br John (III)	Max Depth (m)
□ Run					
Pool	115	49	25	A 20	A
Flow	Present? Yes	□ No		0.29 not measural	0.5

Substrate*: (These values should add up to 100%.)

30% Cobble 50 % Gravel 20 % Sand % Silt % Mud/Clay % Bedrock

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

Slight amounts of attached algal.

Water Characteristics*: (Mark all that apply.)

	istics . (Iviaik a	ii that apply.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	Пол	
Color:	Clear	☐ Green	☐ Gray		☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids		☐ Milky	☐ Other:	
Surface Deposit:		Solids	Fine sediments	□ None	☐ Other:	
Deposit.	□ Oil	□ Scum	☐ Foam	None	☐ Other:	······································
his information is no)			×		

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC: AD

WBID # 3303 Site # 728

Date: 07 / 18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	-
	-

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	ersonally used the	nis water body for r that apply:	ecreation since 1975?	☐ Yes ☐ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	□ Trapping	☐ Fishing	☐ None of the above	☐ Other:
. Have you obs If so, plea		1 time per year – p	for recreation since 1	975? □ Yes □ No
☐ Swimming	☐ Skin diving			
☐ Swimming	1	☐ SCUBA diving ☐ Boating	☐ Tubing	☐ Water skiing
☐ Swimming ☐ Wind surfing	☐ Skin diving	☐ SCUBA diving		
☐ Swimming ☐ Wind surfing ☐ Hunting	☐ Skin diving ☐ Kayaking ☐ Trapping have you obser ☐ More than : ☐ 1 - 5 times	☐ SCUBA diving ☐ Boating ☐ Fishing Tend it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above	☐ Water skiing ☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How often G	☐ Skin diving ☐ Kayaking ☐ Trapping have you obser ☐ More than : 1 - 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing Tend it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How often ☐ G ☐ G	☐ Skin diving ☐ Kayaking ☐ Trapping have you obser ☐ More than : 1 - 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing Tend it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How often ☐ G ☐ G	☐ Skin diving ☐ Kayaking ☐ Trapping have you obser ☐ More than : 1 - 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing Tend it being used for times per year per year	☐ Tubing ☐ Wading ☐ None of the above or recreation?	☐ Water skiing ☐ Rafting ☐ Other:

Telephone #:

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	(A separate Data	Sheet B must be complet	ed for each site)	
Latitude (ddd.dddd):	20 11/10/1			
Longitude (ddd.dddd	1):92 22101		Arrival Time:	
Photo Ids: Upstream		Downstream:	090	12_
1	141	1143,1145	Other: 1142	
L			114	_
arrative Descriptio	n of Location: (De	escribe access point to stream, n	117	
at Hwy 52	bridge cros	SSIVM	earby roads, landmarks, et	c.)
	<i>J</i> = 0.0.	37, 9		
rrounding Conditi	ons*: (Mark all that p	promote or impede recreational	uses. Attach photos of avi	1
☐ City/county parks			Photos of evic	ience or unusual
☐ Boating accesses	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	Fence (1142 0)		Other: Fulds	Statis/ Walkway
man Uses Observe	d*:)5/		
☐ Swimming	☐ Skin diving	CI COLD 4 W		
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	[] Transing	☐ Boating	☐ Wading	☐ Rafting
Describe: (include numl	ber of individuals recre	☐ Fishing eating, frequency of use, photo-	None of the above	☐ Other:
		o, quency of use, photo-	documentation of evidence	of recreational uses, etc.
	-			
CYY				
ence of Human Us			-18-2006 CB ANGROW	it to choose Com
Roads	☐ Foot paths/prints	☐ Dock/platform	Livestock Warening	H to stream (1147
Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ RV / ATV Tracks
Other:				☐ Fishing Tackle
ces of Dollastica.				
e.s	g., trash dumping, tires	, drainages, discharges, etc.)		

QC: AD

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	1177	n) Length	ı (m)	Avg. Depth (m)	Man D
☐ Riffle					- S. Beptii (iii)	Max Depth (n
□ Run						
Pool	20	2	20	,	0.2	
Flow	Present?	es 🗷 No	Velocity (ft.		0.2	0.3
Downstre	am View Dhysical	ID:	(20			
	am View Physical Distance from					
☐ Riffle	access point (m)	Width (m	Length	(m)	Avg. Depth (m)	Max Depth (m)
□ Run		+				
Z Pool	30					
Flow	Present?	5.5 s X No	Velocity (ft/s		0.3	0.4
bstrate*: 20 %	These values should a Cobble 50%	dd up to 100%.) Gravel	% Sand	% Silt	% Mud/Clay	9/ D-1
uatic Vege	tation*• (Note amou					% Bedro
N/A	tation*: (Note amou	int of vegetation or	algal growth at the as	ssessment sit	e.)	
ter Chara	cteristics*: (Mark al	ll that apply.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None		
Color:	Clear	☐ Green	☐ Gray		Other:	
Bottom Depo	sit: 🗆 Sludge	☐ Solids	Fine sediments	☐ Milky	Other:	
7	*.		>= 1 me seaments	□ None	☐ Other:	
Surface Depo	sit: 🗆 Oil	☐ Scum	☐ Foam	None	☐ Other:	

* Unable to get in stream, Fences on both Us and DS sections of bridge, therefore visual estimates were done.

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WBID # 3303 Site # 729

Date: 07/18 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Date: 07/ 18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you po If so, ple	ersonally used the	nis water body for r that apply:	recreation since 1975?	□ Yes □ No
] Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
		ng this water body	lease describe:	975? □ Yes □ No
3 Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
TT -	have you obser More than f	ved it being used for times per year	or recreation?	
How often	1-5 times	time per year – ple	ease describe:	
G	1 – 5 times Less than 1	time per year – ple	ease describe:	
G	1 – 5 times Less than 1	time per year – ple	ease describe:	

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

eation: (Describe of Hw MODOT) [ark all that promate parks	note or impede recreational MDC conservation lands National forests Steep slopes	uses. Attach photos of evid	:.)
Down Pation: (Described of Hw MODOT) Fark all that promage augrounds are parks are pa	be access point to stream, recovery by 52 bridge note or impede recreational MDC conservation lands National forests Steep slopes	Other: 1139, nearby roads, landmarks, etc CNOSSING. uses. Attach photos of evid Urban areas Nature trails	lence or unusual Campgrounds
ark all that promage aygrounds at the parks care are parks care ar	note or impede recreational MDC conservation lands National forests Steep slopes	uses. Attach photos of evid	lence or unusual Campgrounds
aygrounds ate parks nce S 1140 US 1139 in diving	MDC conservation lands National forests Steep slopes □ SCUBA diving	☐ Urban areas ☐ Nature trails ☐ Other: Filds	☐ Campgrounds
nce	National forests Steep slopes SCUBA diving	□ Nature trails □ Other: ¬L □ ≤	
DS 1140) (US 1139) in diving	Steep slopes □ SCUBA diving	Dother: Fillds	
PS 1140) (U S 1139) in diving	☐ SCUBA diving		
in diving		□ Tul:	
yaking			
	☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
pping			Rafting
	- Tarey or date, photo-	None of the above documentation of evidence	of recreational uses, etc
paths/prints	□ Dock/platform		
ping Sites			□ RV / ATV Tracks
		☐ NPDES Discharge	☐ Fishing Tackle
ımping, tires, dra	ainages, discharges, etc.)		
<u>_</u>	oing Sites	Pactorin	oing Sites ☐ Fire pit/ring ☐ NPDES Discharge

QC:AD

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run 🄀 Pool 10 10 0.1 0.2 Flow Present? ☐ Yes 🛛 No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run 🏿 Pool 0.32 K Flow 0.4 Present? ☐ Yes Velocity (ft/sec): Substrate*: (These values should add up to 100%.) 10 % Cobble 60 % Gravel % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) N/A

Water Characteristics*: (Mark all that apply.)

0.1	- Triain a	ii mat appry.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None		
Color:	Clear	☐ Green			Other:	
Bottom Deposit:			☐ Gray	☐ Milky	Other:	
	Oldage	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	☐ Foam	None		
his information)G-110He	☐ Other:	

QC: AD

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WBID # 3303 Site # 730

Date: 07 / 18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID	# <u>33</u>	303	\$ Site #	_730
Data:				

Date: 07 / 16 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

☐ Swimming	T	Т т	recreation since 1975?	Yes No
Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
Hunting	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
1 Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
Have you obs	served others usi	ng this water had	lease describe:	975? □ Yes □ No
Swimming	se check ALL th	nat apply: ☐ SCUBA diving		103 110
Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing	☐ Water skiing
Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
How often G G G	1-5 times	ved it being used for times per year per year time per year – ple		
Additional Cor	nments:			



Site# 725 Photo ID# 1158, Upstream



Site# 725 Photo ID# 1156, trash



Site# 725 Photo ID# 1159, Downstream



Site# 726 Photo ID# 1160, Upstream



Site# 726 Photo ID# 1161, Downstream



Site# 727 Photo ID# 1149, Downstream



Site# 727 Photo ID# 1148, Upstream



Site# 727 Photo ID# 1150, trash



Site# 727 Photo ID# 1151, trash



Site# 727 Photo ID# 1153, fence



Site# 727 Photo ID# 1152, ditch



Site# 728 Photo ID# 1154, Upstream



Site# 728 Photo ID# 1155, Downstream



Site# 729 Photo ID# 1143, Downstream



Site# 729 Photo ID# 1141, Upstream



Site# 729 Photo ID# 1145, Downstream



Site# 729 Photo ID# 1142, fence



Site# 729 Photo ID# 1147, livestock



Site# 729 Photo ID# 1146, fence



Site# 730 Photo ID# 1137, Upstream



Site# 730 Photo ID# 1138, Downstream



Site# 730 Photo ID# 1140, fence



Site# 730 Photo ID# 1139, fence